

**DRIVE WAVEFORM-DETERMINING DEVICE,
ELECTROOPTICAL DEVICE, AND ELECTRONIC EQUIPMENT**

ABSTRACT OF THE DISCLOSURE

5 A drive waveform-determining device is configured and arranged to determine an exact drive waveform for a droplet discharge device with minimal trials. The drive waveform-determining device uses an analysis unit that stores optimal weight and velocity for droplets, and basic configurations of drive waveforms. A weight- and viscosity-determining unit measures the weight of droplets discharged from a discharge head. The analysis unit measures the velocity of the droplets with the aid of a CCD camera and a
10 strobe light. The analysis unit reads a basic configuration of a drive waveform and adjusts the drive waveform so that the measured weight and velocity match the weight and velocity stored in the analysis unit. The analysis unit then stores the adjusted drive waveform.